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Description of Canadian Patent Application 2,301,935



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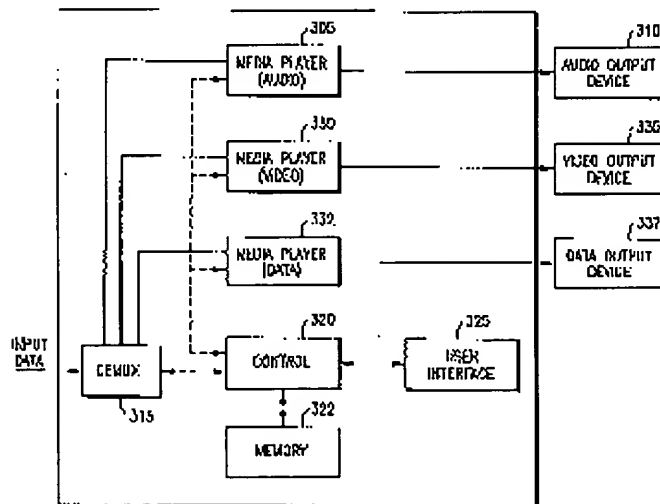
(12) Patent Application:

(11) CA 2301935

(54) STREAMING MEDIA CONTROL AND SYNCHRONIZATION APPLICATION
PROGRAM INTERFACE (API) FOR A DIGITAL TELEVISION RECEIVER

(54) INTERFACE DE PROGRAMME D'APPLICATION DE COMMANDE ET DE
SYNCHRONISATION D'INFORMATION EN CONTINU POUR UN RECEPTEUR DE
TELEVISION NUMERIQUE

Representative Drawing:



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ABSTRACT:

A streaming media control and synchronization application program interface (API) for a digital television receiver. The API provides a simple alternative to the Java Media Framework for JavaTV and other television software environments, including the

Advanced Television Systems Committee Digital TV
Application Software Environment (ATSC T3/S17 DASE), and the Digital Video Broadcast
Multimedia Home

Platform (DVB MHP). This API enables playing back media, and controlling the playback.
The API includes a media presentation control package, "MediaComponentPresenter," and a
service presenter hierarchy. The API controls stopping, starting, suspending and resuming
the presentation of the streaming audio and/or video at a media player, e.g., at a television
set-top receiver. The API also provides a start method that attempts to synchronize the
presentation of audio and/or video streams according to associated locators of the streams.
The

API also can take checkpoints of the audio and/or video as it is playing, where the
checkpoints indicate temporal locations of the audio and/or video for initiating a rewind
operation.

CLAIMS: Show all claims

*** Note: Data on abstracts and claims is shown in the official language in which it was
submitted.

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 G06F 9/44

Patent Cooperation Treaty (PCT): **No**

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60/127753	United States	Apr. 5 , 1999

Availability of licence: **N/A**
Language of filing: **English**

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